

RAW SEQUENCE LISTING

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Application Serial Number: 10/S13,961
Source: PCT
Date Processed by STIC: 11-17-04

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PCT

RAW SEQUENCE LISTING

DATE: 11/17/2004

PATENT APPLICATION: US/10/513,961

TIME: 14:42:35

Input Set : A:\231119.txt

Output Set: N:\CRF4\11172004\J513961.raw

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3 <110> APPLICANT: BOYD, Michael R.
4     BOKESCH, Heidi R.
5     O'KEEFE, Barry R.
6     MCKEE, Tawnya C.
8 <120> TITLE OF INVENTION: SCYTOVIRINS AND RELATED CONJUGATES, FUSION PROTEINS, NUCLEIC
9     ACIDS, VECTORS, HOST CELLS, COMPOSITIONS, ANTIBODIES, AND METHODS
10    OF USING SCYTOVIRINS
12 <130> FILE REFERENCE: 231119
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/513,961
C--> 14 <141> CURRENT FILING DATE: 2004-11-10
14 <150> PRIOR APPLICATION NUMBER: PCT/US03/15991
15 <151> PRIOR FILING DATE: 2003-05-15
17 <150> PRIOR APPLICATION NUMBER: 60/381,322
18 <151> PRIOR FILING DATE: 2002-05-16
20 <160> NUMBER OF SEQ ID NOS: 7
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 95
26 <212> TYPE: PRT
27 <213> ORGANISM: Scytonema varium
30 <220> FEATURE:
31 <221> NAME/KEY: MISC_FEATURE
32 <222> LOCATION: (7)..(55)
33 <223> OTHER INFORMATION: Disulfide cross-link between Cys at position 7 and Cys at
34     position 55
36 <220> FEATURE:
37 <221> NAME/KEY: MISC_FEATURE
38 <222> LOCATION: (20)..(26)
39 <223> OTHER INFORMATION: Disulfide cross-link between Cys at position 20 and Cys at
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42 <220> FEATURE:
43 <221> NAME/KEY: MISC_FEATURE
44 <222> LOCATION: (32)..(38)
45 <223> OTHER INFORMATION: Disulfide cross-link between Cys at position 32 and Cys at
46     position 38
48 <220> FEATURE:
49 <221> NAME/KEY: MISC_FEATURE
50 <222> LOCATION: (68)..(74)
51 <223> OTHER INFORMATION: Disulfide cross-link between Cys at position 68 and Cys at
52     position 74
54 <220> FEATURE:
55 <221> NAME/KEY: MISC_FEATURE
56 <222> LOCATION: (80)..(86)

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57 <223> OTHER INFORMATION: Disulfide cross-link between Cys at position 80 and Cys at
 58 position 86

60 <400> SEQUENCE: 1

62 Gly Ser Gly Pro Thr Tyr Cys Trp Asn Glu Ala Asn Asn Pro Gly Gly

63 1 5 10 15

66 Pro Asn Arg Cys Ser Asn Asn Lys Gln Cys Asp Gly Ala Arg Thr Cys

67 20 25 30

70 Ser Ser Ser Gly Phe Cys Gln Gly Thr Ser Arg Lys Pro Asp Pro Gly

71 35 40 45

74 Pro Lys Gly Pro Thr Tyr Cys Trp Asp Glu Ala Lys Asn Pro Gly Gly

75 50 55 60

78 Pro Asn Arg Cys Ser Asn Ser Lys Gln Cys Asp Gly Ala Arg Thr Cys

79 65 70 75 80

82 Ser Ser Ser Gly Phe Cys Gln Gly Thr Ala Gly His Ala Ala Ala

83 85 90 95

86 <210> SEQ ID NO: 2

87 <211> LENGTH: 107

88 <212> TYPE: PRT

89 <213> ORGANISM: Volvox carteri

91 <400> SEQUENCE: 2

93 Gln Lys Ser Ala Ser Tyr Tyr Trp Asn Glu Ala Thr Asn Pro Leu Gly

94 1 5 10 15

97 Pro Asn Arg Cys Asn Pro Ala Gly Arg Gly Cys Glu Cys Asp Gly Leu

98 20 25 30

101 Arg Thr Cys Ser Ser Tyr Gly Trp Cys Gln Gly Ile Ser Arg Pro Thr

102 35 40 45

105 Ser Pro Pro Pro Pro Ala Ala Cys Gln Gln Lys Ser Ala Ser Tyr Tyr

106 50 55 60

109 Trp Asn Glu Ala Lys Asn Pro Leu Gly Pro Asn Arg Cys Asn Pro Ala

110 65 70 75 80

113 Gly Arg Gly Cys Glu Cys Asp Gly Leu Arg Thr Cys Ser Gln Tyr Gly

114 85 90 95

117 Trp Cys Gln Gly Thr Ala Arg Thr Arg Arg Ala

118 100 105

121 <210> SEQ ID NO: 3

122 <211> LENGTH: 42

123 <212> TYPE: PRT

124 <213> ORGANISM: Scytonema varium

126 <400> SEQUENCE: 3

128 Asn Arg Cys Ser Asn Asn Lys Gln Cys Asp Gly Ala Arg Thr Cys Ser

129 1 5 10 15

132 Ser Ser Gly Phe Cys Gln Gly Thr Ser Arg Lys Pro Asp Pro Gly Pro

133 20 25 30

136 Lys Gly Pro Thr Tyr Cys Trp Asp Glu Ala

137 35 40

140 <210> SEQ ID NO: 4

141 <211> LENGTH: 43

142 <212> TYPE: PRT

143 <213> ORGANISM: Urtica dioica

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145 <400> SEQUENCE: 4
147 Gln Arg Cys Gly Ser Leu Gly Gly Gly Gly Thr Cys Pro Gly Leu Arg
148 1 5 10 15
151 Cys Cys Ser Ile Trp Gly Trp Cys Gly Asp Ser Glu Pro Tyr Cys Gly
152 20 25 30
155 Pro Ser Cys Glu Thr Asn Cys Trp Asp Asp Glu
156 35 40
159 <210> SEQ ID NO: 5
160 <211> LENGTH: 44
161 <212> TYPE: PRT
162 <213> ORGANISM: Hevea brasiliensis
164 <400> SEQUENCE: 5
166 Glu Gln Cys Gly Arg Gln Ala Gly Gly Lys Leu Cys Pro Asn Asn Leu
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170 Cys Cys Ser Gln Trp Gly Trp Cys Gly Ser Thr Asp Glu Tyr Cys Ser
171 20 25 30
174 Pro Asp His Asn Cys Gln Ser Asn Cys Lys Asp Ser .
175 35 40
178 <210> SEQ ID NO: 6
179 <211> LENGTH: 29
180 <212> TYPE: PRT
181 <213> ORGANISM: Amaranthus caudatus
183 <400> SEQUENCE: 6
185 Gly Glu Cys Val Arg Gly Arg Cys Pro Ser Gly Met Cys Cys Ser Gln
186 1 5 10 15
189 Phe Gly Tyr Cys Gly Lys Gly Pro Lys Tyr Cys Gly Arg
190 20 25
193 <210> SEQ ID NO: 7
194 <211> LENGTH: 44
195 <212> TYPE: PRT
196 <213> ORGANISM: Triticum aestivum
198 <400> SEQUENCE: 7
200 Ile Lys Cys Gly Ser Gln Ala Gly Gly Lys Leu Cys Pro Asn Asn Leu
201 1 5 10 15
204 Cys Cys Ser Gln Trp Gly Phe Cys Gly Leu Gly Ser Glu Phe Cys Gly
205 20 25 30
208 Gly Gly Cys Gln Ser Gly Ala Cys Ser Thr Asp Lys
209 35 40

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/513,961

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date